



CITY OF LODI COUNCIL COMMUNICATION

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AGENDA TITLE: Adopt Resolution Approving the Purchase of Polemount Transformers from HEES Enterprises, Inc., of Astoria, OR and Howard Industries Inc., of Laurel, MS (\$49,877.48)

MEETING DATE: September 7, 2011

PREPARED BY Electric Utility Director

RECOMMENDED ACTION: Adopt a resolution approving the purchase of polemount transformers from HEES Enterprises, Inc., of Astoria, OR and Howard Industries Inc., of Laurel, MS (\$49,877.48).

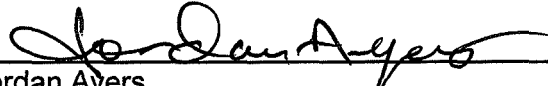
BACKGROUND INFORMATION: On April 6, 2011, the City Council authorized the advertisement of bids to procure polemount transformers to maintain inventory for the replacement of damaged/old polemount transformers in the distribution system.

On August 10, 2011, bids were opened with six suppliers submitting proposals. Life-cycle costs (total purchase price plus cost of operation based on estimated power loss during the projected life of the transformer) were evaluated for the responsive bids as shown on the attached summary. HEES Enterprises, Inc., of Astoria, OR and Howard Industries Inc., of Laurel, MS had the lowest total life-cycle costs as shown below.

15 each 50kVA, I-Phase, 120/240V	Howard Industries Inc.	\$22,368.90
4 each 37.5kVA, 1-Phase, 240/480V	HEES Enterprises Inc. (ERMCO)	\$ 4,508.26
6 each 50kVA, I-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 7,589.91
2 each 75kVA, I-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 3,363.96
2 each 100kVA, I-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 4,350.95
4 each 37.5kVA, 1-Phase, 277/480V	HEES Enterprises Inc. (ERMCO)	\$ 4,331.55
2 each 75kVA, I-Phase, 277/480V	HEES Enterprises Inc. (ERMCO)	\$ 3,363.96

FISCAL IMPACT: Purchase cost is \$49,877.48. Life-cycle cost is \$82,399.98.

FUNDING: Included in FY2011/12 Budget Account No. 160.1496



 Jordan Ayers
 Deputy City Manager/Internal Services Director

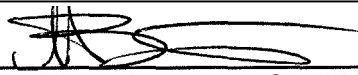


 Elizabeth A. Kirkley
 Electric Utility Director

PREPARED BY: Weldat Haile, P.E., Senior Power Engineer

EAK/WH/lst

APPROVED:



 Konrad Bartlam, City Manager

RESOLUTION NO. 2011-139

A RESOLUTION OF THE LODI CITY COUNCIL
AWARDING THE BIDS FOR THE PURCHASE OF
POLEMOUNT TRANSFORMERS

WHEREAS, in answer to notice duly published in accordance with law and the order of this City Council, sealed bids were received and publicly opened on August 10, 2011, at 11:00 a.m. for the purchase of polemount transformers, described in the specifications therefore approved by the City Council on April 6, 2011; and

WHEREAS, said bids have been compared as to life-cycle costs, checked, and tabulated as shown on Exhibit A attached; and

WHEREAS, the bids meeting the City's specifications with the lowest estimated life-cycle costs are shown below:

15 each 50kVA, 1-Phase, 120/240V	Howard Industries Inc.	\$22,368.90
4 each 37.5kVA, 1-Phase, 240/480V	HEES Enterprises Inc. (ERMCO)	\$ 4,508.26
6 each 50kVA, 1-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 7,589.91
2 each 75kVA, 1-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 3,363.96
2 each 100kVA, 1-Phase, 277V	HEES Enterprises Inc. (ERMCO)	\$ 4,350.95
4 each 37.5kVA, 1-Phase, 277/480V	HEES Enterprises Inc. (ERMCO)	\$ 4,331.55
2 each 75kVA, 1-Phase, 277/480V	HEES Enterprises Inc. (ERMCO)	\$ 3,363.96

NOW, THEREFORE, BE IT RESOLVED that the Lodi City Council does hereby award the bid for the purchase of polemount transformers as shown above, in the amount of \$49,877.48.

Dated: September 7, 2011

I hereby certify that Resolution No. 2011-139 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 7, 2011, by the following vote:

AYES: COUNCIL MEMBERS – Hansen, Katzakian, Mounce, Nakanishi, and Mayor Johnson

NOES: COUNCIL MEMBERS – None

ABSENT: COUNCIL MEMBERS – None

ABSTAIN: COUNCIL MEMBERS – None



RANDI JOHL
City Clerk

EXHIBIT A - POLE MOUNTED TRANSFORMER BID EVALUATION - AUGUST 10, 2011												
Transformer Bid Evaluation			Bid Opening: August 10, 2011									
Polemount			Tax (factor): 1.078		Primary Winding: 12,000 Volt Line-to-Line							
			No Load Loss \$/watt: 3.75									
09/07/2011 Council Meeting			Load Loss \$/watt: 1.25									
Bid Item 1 : 50kVA, 120/240 Volt, Single Phase Conventional Pole					Number of units:		15				51	800
			No Load									
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds)
HEES Enterprises, Inc. (ERMCO Transformers)	1,210.00	18,150.00	19,556.63	110	440	6,187.50	8,250.00	14,437.50	33,994.13	8-10	34.9	574
Howard Industries, Inc.	1,391.00	20,865.00	22,482.04	123	446	6,918.75	6,690.00	13,608.75	36,090.79	8-10	35.1	567
Howard Industries, Inc.	1,384.00	20,760.00	22,368.90	42	592	2,362.50	8,880.00	11,242.50	33,611.40	8-10	35	632
HD Supply Utilities (CPS)	1,252.00	18,780.00	20,235.45	85	568	4,781.25	10,650.00	15,431.25	35,666.70	10	39	501
Pacific Utiliy Supply	1,358.00	20,370.00	21,948.68	114	492	6,412.50	9,225.00	15,637.50	37,586.18	10	36	584
Bid Item 2 : 37.5kVA, 120/240 Volt, Single Phase Conventional Pole					Number of units:		4				48	625
			No Load									
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds)
HEES Enterprises, Inc. (ERMCO Transformers)	1,046.00	4,184.00	4,508.26	95	326	1,425.00	1,630.00	3,055.00	7,563.26	8-10	32.9	456
Howard Industries, Inc.	1,237.00	4,948.00	5,331.47	88	410	1,320.00	2,050.00	3,370.00	8,701.47	8-10	35.1	459
Howard Industries, Inc.	1,316.00	5,264.00	5,671.96	36	437	540.00	2,185.00	2,725.00	8,396.96	8-10	35.1	551
HD Supply Utilities	1,048.00	4,192.00	4,516.88	67	483	1,005.00	2,415.00	3,420.00	7,936.88	10	38	418
Pacific Utiliy Supply	1,163.00	4,652.00	5,012.53	78	459	1,170.00	2,295.00	3,465.00	8,477.53	10	38	455
Bid Item 3 : 50kVA, 277 Volt, Single Phase Conventional Pole					Number of units:		6				51	800

				No Load	Load								
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight	
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds	
HEES Enterprises, Inc. (ERMCO Transformers)	1,174.00	7,044.00	7,589.91	97	523	2,182.50	3,922.50	6,105.00	13,694.91	8-10	34.9	537	
Howard Industries, Inc.	1,452.00	8,712.00	9,387.18	115	488	2,587.50	3,660.00	6,247.50	15,634.68	8-10	35.2	576	Silicon
Howard Industries, Inc.	1,449.00	8,694.00	9,367.79	40	602	900.00	4,515.00	5,415.00	14,782.79	8-10	35.2	625	Amorphous
HD Supply Utilities	1,212.00	7,272.00	7,835.58	101	547	2,272.50	4,102.50	6,375.00	14,210.58	10	39	500	
Pacific Utility Supply	1,328.00	7,968.00	8,585.52	106	541	2,385.00	4,057.50	6,442.50	15,028.02	10	38	591	
Bid Item 4: 75kVA, 277 Volt, Single Phase Conventional Pole						Number of units:		2			51	1100	
				No Load	Load								
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight	
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds	
HEES Enterprises, Inc. (ERMCO Transformers)	1,561.00	3,122.00	3,363.96	145	697	1,087.50	1,742.50	2,830.00	6,193.96	8-10	42.9	718	
Howard Industries, Inc.	2,508.00	5,016.00	5,404.74	160	585	1,200.00	1,462.50	2,662.50	8,067.24	8-10	44.8	856	Silicon
Howard Industries, Inc.	2,155.00	4,310.00	4,644.03	55	854	412.50	2,135.00	2,547.50	7,191.53	8-10	42.8	925	Amorphous
HD Supply Utilities	1,729.00	3,458.00	3,726.00	121	711	907.50	1,777.50	2,685.00	6,411.00	10	44	749	
Pacific Utility Supply	1,737.00	3,474.00	3,743.24	148	702	1,110.00	1,755.00	2,865.00	6,608.24	10	46	807	
Bid Item 5: 100kVA, 277 Volt, Single Phase Conventional Pole						Number of units:		2			51	1200	
				No Load	Load								
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight	
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds	
HEES Enterprises, Inc. (ERMCO Transformers)	2,019.00	4,038.00	4,350.95	188	762	1,410.00	1,905.00	3,315.00	7,665.95	8-10	42.9	947	
Howard Industries, Inc.	3,072.00	6,144.00	6,620.16	200	705	1,500.00	1,762.50	3,262.50	9,882.66	8-10	44.8	1024	Silicon
Howard Industries, Inc.	2,683.00	5,366.00	5,781.87	68	966	510.00	2,415.00	2,925.00	8,706.87	8-10	44.8	1134	Amorphous
HD Supply Utilities	3,033.00	6,066.00	6,536.12	194	795	1,455.00	1,987.50	3,442.50	9,978.62	16	45	1151	

Pacific Utility Supply	2,411.00	4,822.00	5,195.71	160	982	1,200.00	2,455.00	3,655.00	8,850.71	10	46	877	
Bid Item 6 : 37.5kVA, 277/480 Volt, Single Phase Conventional Pole						Number of units:		4			48	625	
				No Load	Load								
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight	
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds)	
HEES Enterprises, Inc. (ERMCO Transformers)	1,005.00	4,020.00	4,331.55	89	362	1,335.00	1,810.00	3,145.00	7,476.55	8-10	32.9	442	
Howard Industries, Inc.	1,215.00	4,860.00	5,236.65	94	394	1,410.00	1,970.00	3,380.00	8,616.65	8-10	35.1	472	Silicon
Howard Industries, Inc.	1,251.00	5,004.00	5,391.81	35	446	525.00	2,230.00	2,755.00	8,146.81	8-10	35.1	543	Amorphous
HD Supply Utilities	1,013.00	4,052.00	4,366.03	64	492	960.00	2,460.00	3,420.00	7,786.03	10	37	400	
Pacific Utility Supply	1,135.00	4,540.00	4,891.85	86	429	1,290.00	2,145.00	3,435.00	8,326.85	10	36	439	
Bid Item 7 : 75kVA, 277/480 Volt, Single Phase Conventional Pole						Number of units:		2			51	1200	
				No Load	Load								
Vendor	Unit	Extended	Price	Loss	Loss	No Load	Load	Cost of	Life Cycle	Delivery	Height	Weight	
	Price \$	Price \$	w/tax \$	(watts)	(watts)	Loss value	Loss value	Losses \$	Cost \$	(weeks)	inches	pounds)	
HEES Enterprises, Inc. (ERMCO Transformers)	1,561.00	3,122.00	3,363.96	145	697	1,087.50	1,742.50	2,830.00	6,193.96	8-10	42.9	718	
Howard Industries, Inc.	2,508.00	5,016.00	5,404.74	160	585	2,400.00	2,925.00	5,325.00	10,729.74	8-10	44.8	856	Silicon
Howard Industries, Inc.	2,155.00	4,310.00	4,644.03	55	854	825.00	4,270.00	5,095.00	9,739.03	8-10	42.8	925	Amorphous
HD Supply Utilities	No Offer												
Pacific Utility Supply	1,759.00	3,518.00	3,790.65	148	702	2,220.00	3,510.00	5,730.00	9,520.65	10	46	807	
HEES Enterprises, Inc. (ERMCO Transformers)			47,065.20						82,782.70				
Howard Industries, Inc.			59,866.98						97,723.23				
Howard Industries, Inc.			57,870.37						90,575.37				
HD Supply Utilities			47,216.05	(6 Items only)					81,989.80	(6 Items only)			
Pacific Utility Supply			53,168.16						94,398.16				
Total Lowest Cost			49,877.48			Total Life Cycle Cost			82,399.98				

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